In [ ]:
```
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LAB=4
```

In [12]:
```python
def cl(s,c):
    count=0
    for i in range(len(s)):
        if(s[i].lower()==c.lower()):
            count+=1
    return count
s=input("enter a string : ")
c=input("enter a character to find : ")
cl(s,c)
```

```
enter a string : hello wOrld
enter a character to find : o
```

Out[12]: 2

In [8]:
```python
def cct(str):
    vowels = 0
    consonant = 0
    space = 0
    digit = 0
    for i in range(0, len(str)):
        ch = str[i]
        if ( (ch >= 'a' and ch <= 'z') or (ch >= 'A' and ch <= 'Z') ):
            ch = ch.lower()
            if (ch == 'a' or ch == 'e' or ch == 'i' or ch == 'o' or ch == 'u'):
                vowels += 1
            else:
                consonant += 1
        elif (ch >= '0' and ch <= '9'):
            digit += 1
        else:
            space += 1
    print("Vowels:", vowels)
    print("Consonant:", consonant)
    print("Digit:", digit)
    print("Space:", space)
s=input("enter a string : ")
cct(s)
```

```
enter a string : Bishop Heber College 17
Vowels: 7
Consonant: 11
Digit: 2
Space: 3
```

In [1]:
```python
1  def remove_punctuation(str):
2      string=input("enter any stirng: ")
3      new_string = ''.join(filter(str.isalnum, string))
4      print(new_string)
5  remove_punctuation(str)
```

enter any stirng: "Bishop's College !.....".
BishopsCollege

In [*]:
```python
while True:
    sentence = input('Enter a Sentence: ').lower()
    words = sentence.split()
    for i, word in enumerate(words):
        if word[0] in 'aeiou':
            words[i] = words[i]+ "way"
        else:
            has_vowel = False

            for j, letter in enumerate(word):
                if letter in 'aeiou':
                    words[i] = word[j:] + word[:j] + "ay"
                    has_vowel = True
                    break
            if(has_vowel == False):
                words[i] = words[i]+ "way"
    pig_latin = ' '.join(words)
    print("Pig Latin: ",pig_latin)
```

Enter a Sentence: PIG
Pig Latin: igpay
Enter a Sentence: banana
Pig Latin: ananabay
Enter a Sentence: trash
Pig Latin: ashtray
Enter a Sentence: apple
Pig Latin: appleway
Enter a Sentence: orange
Pig Latin: orangeway

Enter a Sentence:

In [ ]: